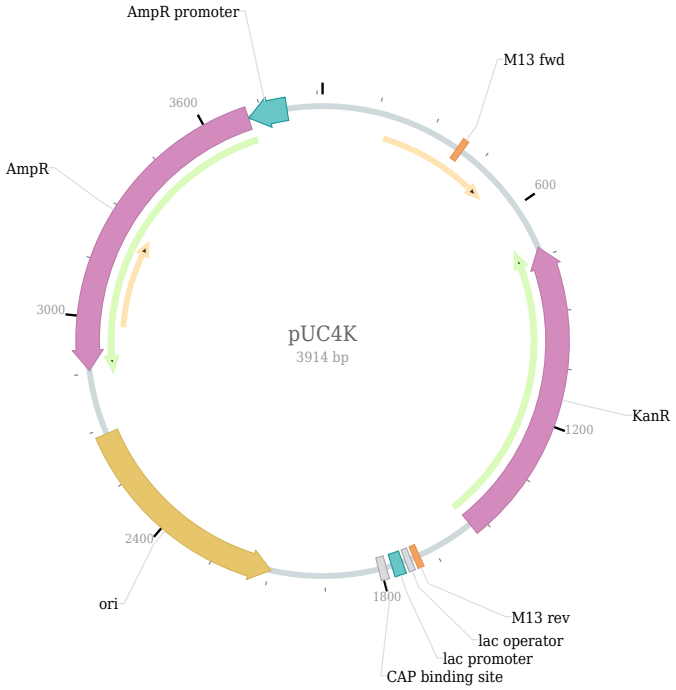
pUC4K

Vector ID	V013452
Antibiotic Resistance	Ampicillin
Length	3914 bp
Vector Type	Gene template
Host	E. coli

Product Information

Replication Origin	ori
Growth Strain(s)	DH5a
Growth Temperature	37℃
Comment	pUC4K is a cloning vector carrying the Tn903 kanamycin/neomycin resistance determinant on a 1.4-kb HaeII fragment inserted at the pUC4 PstI site (Taylor & Rose 1988). Widely used as a convenient source of the kanamycin resistance cassette for insertional mutagenesis and marker construction.

Vector Map



Plasmid Resuspension Protocol

1. Centrifuge at 5,000×g for 5 min.
2. Carefully open the tube and add sterile water to dissolve the DNA: add 20 µl for 5 µg plasmid, and 100 µl for 100 µg plasmid.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin to concentrate the liquid at the bottom. Speed is less than 5000×g.
5. Store the plasmid at -20 ℃.